

Claims

We claim:

1. A method for protecting a distributed application user, comprising
 - providing a distributed application on a server;
 - determining a security value for an authenticated user of the distributed application;
 - associating the security value with a set of commands of the distributed application;
 - receiving one of the set of commands on the server from the authenticated user;
 - and
 - checking the one command for the security value.
2. The method of claim 1, further comprising returning an error message to the user if the security value is not found with the one command.
3. The method of claim 1, further comprising authenticating the user of the distributed application, prior to the determining step.
4. The method of claim 1, wherein the security value is a pseudo-random number.
5. The method of claim 1, further comprising storing the security value on the server.

6. The method of claim 1, further comprising:

associating the security value with session information corresponding to the authenticated user; and

communicating the session information and the security value to the authenticated user.

7. The method of claim 1, wherein the authenticated user operates a client that

communicates with the server.

8. The method of claim 7, wherein the associating step comprises appending the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application, and wherein the receiving step comprises receiving one of the set of URLs on the server from the authenticated user.

9. The method of claim 8, wherein the one URL is pre-constructed on the server.

10. The method of claim 8, wherein the one URL is constructed on the client, and

wherein the method further comprises:

extracting the security value on the client; and

appending the security value to the one URL on the client.

11. A method for protecting a distributed application user, comprising:
 - providing a distributed application on a server;
 - authenticating a user of the distributed application;
 - determining, on the server, a security value for the authenticated user;
 - associating the security value with a set of uniform resource locators (URLs) corresponding to a set of commands of the distributed application;
 - communicating the security value to a client operated by the authenticated user;
 - receiving one of the set of URLs on the server from the client; and
 - checking the one URL for the security value.
12. The method of claim 11, further comprising returning an error message to the client if the security value is not found with the one URL.
13. The method of claim 11, further comprising:
 - determining session information for the authenticated user; and
 - associating the security value with the session information, wherein the communicating step comprises sending the session information and the security value to a client operated by the user.
14. The method of claim 11, wherein the associating step comprises appending the security value to a set of URLs corresponding to a set of commands of the distributed application.

15. The method of claim 11, wherein the one URL is pre-constructed on the server, and
wherein client receives the one URL and the associated security value from the server.

16. The method of claim 11, wherein the one URL is constructed on the client, and
wherein the associating step comprises;

extracting the security value on the client; and
appending the security value to the one URL.

17. The method of claim 11, further comprising storing the security value on the server,
prior to communicating the security value to the client.

18. A system for protecting a distributed application user, comprising:

- a security value system for determining a security value for an authenticated user of a distributed application provided on a server;
- an association system for associating the security value with a set of commands of the distributed application; and
- a command checking system for checking one of the set of commands received on the server from the authenticated user for the security value.

19. The system of claim 18, further comprising a messaging system for returning a error message to the authenticated user if the security value is not found with the one command.

20. The system of claim 18, further comprising an authentication system for authenticating a user of the distributed application.

21. The system of claim 18, wherein the security value is a pseudo-random number.

22. The system of claim 18, wherein the security value is stored on the server.

23. The system of claim 18, wherein the security value is associated with session information corresponding to the authenticated user, and wherein the session information and the associated security value are communicated to the authenticated user.

24. The system of claim 18, wherein the command checking system comprises a filter servlet.

25. The system of claim 18, wherein the authenticated user operates a client that communicates with the server.

26. The system of claim 25, wherein the association system appends the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application, and wherein the command checking system checks one of the set of URLs received on the server from the authenticated user for the security value.

27. The system of claim 26, wherein the one URL is pre-constructed on the server.

28. The system of claim 26, wherein the one URL is constructed on the client, and wherein the client comprises a command system for extracting the security value on the client, and for appending the security value to the one URL.

29. A program product stored on a recordable medium for protecting a distributed application user, which when executed, comprises:
- program code for determining a security value for an authenticated user of a distributed application provided on a server;
 - program code for associating the security value with a set of commands of the distributed application; and
 - program code for checking one of the set of commands received on the server from the authenticated user for the security value.
30. The program product of claim 29, further comprising program code for returning a error message to the authenticated user if the security value is not found with the one command.
31. The program product of claim 29, further comprising program code for authenticating a user of the distributed application.
32. The program product of claim 29, wherein the security value is a pseudo-random number.
33. The program product of claim 29, wherein the security value is stored on the server.

34. The program product of claim 29, wherein the security value is associated with session information corresponding to the authenticated user, and wherein the session information and the associated security value are communicated to the authenticated user.

35. The program product of claim 29, wherein the program code for checking comprises a filter servlet.

36. The program product of claim 29, wherein the authenticated user operates a client that communicates with the server.

37. The program product of claim 36, wherein the program code for associating appends the security value to a set of uniform resource locators (URLs) that correspond to a set of commands of the distributed application, and wherein the program code for checking checks one of the set of URLs received on the server from the authenticated user for the security value.

38. The program product of claim 37, wherein the one URL is pre-constructed on the server.

39. The program product of claim 37, wherein the one URL is constructed on the client, and wherein the client comprises a program code for extracting the security value on the client, and for appending the security value to the one URL.